GenCore version 5.1.4_p5_4578

OM nucleic - nucleic search, using sw model

Run on: April 27, 2003, 08:52:13 ; Search time 133 Seconds
(without alignments)
12844.828 Million cell updates/sec

Title: US-09-836-960-4
Perfect score: 1570
Sequence: 1 cccacgcgtccgcggacgcg.....aaaaaaaaaaaaaaaaaaaa 1570

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 709820 seqs, 544064369 residues

Total number of hits satisfying chosen parameters: 1419640

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_NA:*
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2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
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13: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
14: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	805.8	51.3	1006	9	US-09-820-596-1	Sequence 1, Appli
2	805.2	51.3	917	9	US-10-081-347-1	Sequence 1, Appli
3	737.6	47.0	1023	9	US-10-081-347-38	Sequence 38, Appl
4	695	44.3	903	9	US-09-820-596-4	Sequence 4, Appli
5	560.2	35.7	621	9	US-09-820-596-3	Sequence 3, Appli
6	523.4	33.3	621	9	US-09-820-596-6	Sequence 6, Appli
7	447	28.5	621	9	US-10-081-347-6	Sequence 6, Appli
8	412.2	26.3	459	9	US-09-918-995-28417	Sequence 28417, A
9	409.8	26.1	455	9	US-09-820-596-15	Sequence 15, Appl
10	354	22.5	390	9	US-09-820-596-16	Sequence 16, Appl
c 11	349.2	22.2	403	9	US-09-820-596-17	Sequence 17, Appl
c 12	288.2	18.4	344	9	US-09-820-596-18	Sequence 18, Appl
13	218.4	13.9	645	10	US-09-749-728B-64	Sequence 64, Appl
14	217.8	13.9	640	9	US-10-035-895-1	Sequence 1, Appli
15	216.8	13.8	1200	9	US-09-905-291A-22	Sequence 22, Appl
16	216.8	13.8	1200	9	US-10-066-500-98	Sequence 98, Appl
17	216.8	13.8	1200	9	US-09-902-853-22	Sequence 22, Appl
18	216.8	13.8	1200	9	US-09-907-824-22	Sequence 22, Appl
19	216.8	13.8	1200	9	US-09-907-841-22	Sequence 22, Appl
20	216.8	13.8	1200	9	US-09-904-011-22	Sequence 22, Appl
21	216.8	13.8	1200	9	US-10-028-072-273	Sequence 273, App
22	216.8	13.8	1200	9	US-09-906-742-22	Sequence 22, Appl
23	216.8	13.8	1200	9	US-10-121-049-273	Sequence 273, App
24	216.8	13.8	1200	9	US-10-123-904-273	Sequence 273, App
25	216.8	13.8	1200	9	US-10-140-470-273	Sequence 273, App
26	216.8	13.8	1200	9	US-09-906-838-22	Sequence 22, Appl
27	216.8	13.8	1200	9	US-09-907-613-22	Sequence 22, Appl
28	216.8	13.8	1200	9	US-09-907-942-22	Sequence 22, Appl
29	216.8	13.8	1200	9	US-10-175-746-273	Sequence 273, App
30	216.8	13.8	1200	9	US-10-176-918-273	Sequence 273, App
31	216.8	13.8	1200	9	US-10-176-921-273	Sequence 273, App
32	216.8	13.8	1200	9	US-10-002-796-98	Sequence 98, Appl
33	216.8	13.8	1200	9	US-10-066-273-98	Sequence 98, Appl
34	216.8	13.8	1200	9	US-10-066-494-98	Sequence 98, Appl
35	216.8	13.8	1200	9	US-10-137-865-273	Sequence 273, App
36	216.8	13.8	1200	9	US-10-140-474-273	Sequence 273, App
37	216.8	13.8	1200	9	US-09-904-820-22	Sequence 22, Appl
38	216.8	13.8	1200	9	US-09-904-859-22	Sequence 22, Appl
39	216.8	13.8	1200	9	US-09-909-204-22	Sequence 22, Appl
40	216.8	13.8	1200	9	US-10-142-431-273	Sequence 273, App
41	216.8	13.8	1200	9	US-10-143-114-273	Sequence 273, App
42	216.8	13.8	1200	9	US-09-904-786-22	Sequence 22, Appl
43	216.8	13.8	1200	9	US-09-906-646-22	Sequence 22, Appl
44	216.8	13.8	1200	9	US-09-906-700-22	Sequence 22, Appl
45	216.8	13.8	1200	9	US-10-066-269-98	Sequence 98, Appl

ALIGNMENTS

```
RESULT 1
US-09-820-596-1
; Sequence 1, Application US/09820596
; Publication No. US20030022170A1
;  GENERAL INFORMATION:
;       APPLICANT: Khodadoust, Mehran Mohammad
;       TITLE OF INVENTION: NOVEL FIBROBLAST GROWTH FACTORS AND
;                           THERAPEUTIC AND DIAGNOSTIC USES THEREFOR
;       NUMBER OF SEQUENCES: 18
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: FOLEY, HOAG & ELIOT LLP
;            STREET: One Post Office Square
;            CITY: Boston
;            STATE: MA
;            COUNTRY: USA
;            ZIP: 02109-2170
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/820,596
;            FILING DATE: 29-Mar-2001
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 09/036,594
;            FILING DATE: <Unknown>
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Arnold E., Beth
;            REGISTRATION NUMBER: 35,430
;            REFERENCE/DOCKET NUMBER: MIA-026.01
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 617-832-1000
;            TELEFAX: 617-832-7000
;  INFORMATION FOR SEQ ID NO: 1:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 1006 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: cDNA
;       FEATURE:
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;             NAME/KEY:  CDS
;             LOCATION:  86..706
;       SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-820-596-1

  Query Match            51.3%;  Score 805.8;  DB 9;  Length 1006;
  Best Local Similarity  90.2%;  Pred. No. 6.3e-185;
  Matches  907;  Conservative    0;  Mismatches   67;  Indels   31;  Gaps    3;

Qy    475 GGCGCCCGGTCCCGGCCGCGCGGAGCGGACATGTGCAGGCTGGGCTAGGAGCCGCCGCCT 534
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     11 GGCGCCCGGTCCCGGCCGCGCGGAGCGGACATGTGCAGGCTGGGCTAGGAGCCGCCGCCT 70

Qy    535 CCCTCCCGCCCAGCGATGTATTCAGCGCCCTCCGCCTGCACTTGCCTGTGTTTACACTTC 594
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     71 CCCTCCCGCCCAGCGATGTATTCAGCGCCCTCCGCCTGCACTTGCCTGTGTTTACACTTC 130

Qy    595 CTGCTGCTGTGCTTCCAGGTACAGGTGCTGGTTGCCGAGGAGAACGTGGACTTCCGCATC 654
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    131 CTGCTGCTGTGCTTCCAGGTACAGGTGCTGGTTGCCGAGGAGAACGTGGACTTCCGCATC 190

Qy    655 CACGTGGAGAACCAGACGCGGGCTCGGGACGATGTGAGCCGTAAGCAGCTGCGGCTGTAC 714
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    191 CACGTGGAGAACCAGACGCGGGCTCGGGACGATGTGAGCCGTAAGCAGCTGCGGCTGTAC 250

Qy    715 CAGCTCTACAGCCGGACCAGTGGGAAACACATCCAGGTCCTGGGCCGCAGGATCAGTGCC 774
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    251 CAGCTCTACAGCCGGACCAGTGGGAAACACATCCAGGTCCTGGGCCGCAGGATCAGTGCC 310

Qy    775 CGCGGCGAGGATGGGGACAAGTATGCCCAGCTCCTAGTGGAGACAGACACCTTCGGTAGT 834
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    311 CGCGGCGAGGATGGGGACAAGTATGCCCAGCTCCTAGTGGAGACAGACACCTTCGGTAGT 370

Qy    835 CAAGTCCGGATCAAGGGCAAGGAGACGGAATTCTACCTGTGCATGAACCGCAAAGGCAAG 894
          |||||||||||||||||||||||||| |||||||||||||| |||||||| |||||||||
Db    371 CAAGTCCGGATCAAGGGCAAGGAGACAGAATTCTACCTGTGTATGAACCGAAAAGGCAAG 430

Qy    895 CTCGTGGGGAAGCCCGATGGCACCAGCAAGGAGTGTGTGTTCATCGAGAAGGTTCTGGAG 954
          |||||||||||||| ||||| || |||||||||| |||||||| ||||||||||||||||
Db    431 CTCGTGGGGAAGCCTGATGGTACTAGCAAGGAGTGCGTGTTCATTGAGAAGGTTCTGGAA 490

Qy    955 AACAACTACACGGCCCTGATGTCGGCTAAGTACTCCGGCTGGTACGTGGGCTTCACCAAG 1014
          |||||||||||||||||||||||| || |||||||| || ||||| |||||||||||||||
Db    491 AACAACTACACGGCCCTGATGTCTGCCAAGTACTCTGGTTGGTATGTGGGCTTCACCAAG 550

Qy   1015 AAGGGGCGGCCGCGGAAGGGCCCCAAGACCCGGGAGAACCAGCAGGACGTGCATTTCATG 1074
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Db    551 AAGGGGCGGCCTCGCAAGGGTCCCAAGACCCGCGAGAACCAGCAAGATGTACACTTCATG 610

Qy   1075 AAGCGCTACCCCAAGGGGCAGCCGGAGCTTCAGAAGCCCTTCAAGTACACGACGGTGACC 1134
          ||||| |||||||||| ||| | ||||| |||||||||||||| ||||| || || |||
Db    611 AAGCGTTACCCCAAGGGACAGGCCGAGCTGCAGAAGCCCTTCAAATACACCACAGTCACC 670

Qy   1135 AAGAGGTCCCGTCGGATCCGGCCCACACACCCTGCCTAGGCCACCCCGCCGCGGCCCCTC 1194
          ||| | ||||| |||||||| ||||| ||||| | |||||
Db    671 AAGCGATCCCGGCGGATCCGCCCCACTCACCCCGGCTAGG---------------------- 710

Qy   1195 AGGTCGCCCTGGCCACACTCACACTCCCAGAAAACTGCATCAGAGGAATATTTTTACATG 1254
                | |||||||||||| | |||||| |||| ||||||||||||||||||||||||
Db    711 -------TCCGGCCACACTCACCCCCCCAGAGAACTACATCAGAGGAATATTTTTACATG 763

Qy   1255 AAAAATAAGGAAGAAGCTCTATTTTTGTACATTGTGTTTAAAAGAAGACAAAAACTGAAC 1314
          |||||||||||||| ||||||||||||||||||||||||||||||||||||||||||||||
Db    764 AAAAATAAGGAAGAATCTCTATTTTTGTACATTGTGTTTAAAAGAAGACAAAAACTGAAC 823

Qy   1315 CAAAACTCTTGGGGGGAGGGGTGATAAGGATTTTATTGTTGACTTGAAACCCCCGATGAC 1374
          | ||| |||||||||||||| ||| |||||| | ||||||| |||| ||| |||||
Db    824 CTAAAGTCTTGGGGGGAGGGGCGAT-AGGATTCCACTGTTGACCTGAA---CCCCATGAC 879

Qy   1375 AAAAGACTCACGCAAAGGGACTGTAGTCAACCCACAGGTGCTTGTCTCTCTCTAGGAACA 1434
          ||| ||||||| ||| ||||| |  ||||||||||||||||||| ||||||||||||
Db    880 AAAGGACTCACACAAGGGGACCGCTGTCAACCCACAGGTGCTTGCCTCTCTCTAGGAGGT 939

Qy   1435 GACAACTCTAAACTCGTCCCCAGAGGAGGACTTGAATGAGGAAAC 1479
          ||||| || |||||| |||||||||||||||||||||| ||||||||
Db    940 GACAATTCAAAACTCATCCCCAGAGGAGGACTTGAACGAGGAAAC 984


RESULT 2
US-10-081-347-1
; Sequence 1, Application US/10081347
; Publication No. US20030008351A1
; GENERAL INFORMATION:
;  APPLICANT: Deisher, Theresa A.
;  APPLICANT:  Conklin, Darrell C.
;  APPLICANT:  Raymond, Fenella
;  APPLICANT:  Bukowski, Thomas R.
;  APPLICANT:  Holderman, Susan D.
;  APPLICANT:  Hansen, Birgit
;  APPLICANT:  Sheppard, Paul O.
;  TITLE OF INVENTION: NOVEL FGF HOMOLOGS
;  FILE REFERENCE: 96-20C1
;  CURRENT APPLICATION NUMBER: US/10/081,347
;  CURRENT FILING DATE:  2002-02-21
;  PRIOR APPLICATION NUMBER: US/09/229,947
;  PRIOR FILING DATE: 1999-01-13
;  NUMBER OF SEQ ID NOS: 43
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1
;   LENGTH: 917
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (1)...(621)
US-10-081-347-1

  Query Match            51.3%;  Score 805.2;  DB 9;  Length 917;
  Best Local Similarity  91.6%;  Pred. No. 8.4e-185;
  Matches  907;  Conservative    0;  Mismatches    3;  Indels   80;  Gaps    2;

Qy    550 ATGTATTCAGCGCCCTCCGCCTGCACTTGCCTGTGTTTACACTTCCTGCTGCTGTGCTTC 609
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Db      1 ATGTATTCAGCGCCCTCCGCCTGCACTTGCCTGTGTTTACACTTCCTGCTGCTGTGCTTC 60

Qy    610 CAGGTACAGGTGCTGGTTGCCGAGGAGAACGTGGACTTCCGCATCCACGTGGAGAACCAG 669
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     61 CAGGTACAGGTGCTGGTTGCCGAGGAGAACGTGGACTTCCGCATCCACGTGGAGAACCAG 120

Qy    670 ACGCGGGCTCGGGACGATGTGAGCCGTAAGCAGCTGCGGCTGTACCAGCTCTACAGCCGG 729
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Db    121 ACGCGGGCTCGGGACGATGTGAGCCGTAAGCAGCTGCGGCTGTACCAGCTCTACAGCCGG 180

Qy    730 ACCAGTGGGAAACACATCCAGGTCCTGGGCCGCAGGATCAGTGCCCGCGGCGAGGATGGG 789
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    181 ACCAGTGGGAAACACATCCAGGTCCTGGGCCGCAGGATCAGTGCCCGCGGCGAGGATGGG 240

Qy    790 GACAAGTATGCCCAGCTCCTAGTGGAGACAGACACCTTCGGTAGTCAAGTCCGGATCAAG 849
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    241 GACAAGTATGCCCAGCTCCTAGTGGAGACAGACACCTTCGGTAGTCAAGTCCGGATCAAG 300

Qy    850 GGCAAGGAGACGGAATTCTACCTGTGCATGAACCGCAAAGGCAAGCTCGTGGGGAAGCCC 909
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    301 GGCAAGGAGACGGAATTCTACCTGTGCATGAACCGCAAAGGCAAGCTCGTGGGGAAGCCC 360

Qy    910 GATGGCACCAGCAAGGAGTGTGTGTTCATCGAGAAGGTTCTGGAGAACAACTACACGGCC 969
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    361 GATGGCACCAGCAAGGAGTGTGTGTTCATCGAGAAGGTTCTGGAGAACAACTACACGGCC 420

Qy    970 CTGATGTCGGCTAAGTACTCCGGCTGGTACGTGGGCTTCACCAAGAAGGGGCGGCCGCGG 1029
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    421 CTGATGTCGGCTAAGTACTCCGGCTGGTACGTGGGCTTCACCAAGAAGGGGCGGCCGCGG 480

Qy   1030 AAGGGCCCCAAGACCCGGGAGAACCAGCAGGACGTGCATTTCATGAAGCGCTACCCCAAG 1089
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    481 AAGGGCCCCAAGACCCGGGAGAACCAGCAGGACGTGCATTTCATGAAGCGCTACCCCAAG 540
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Qy   1090 GGGCAGCCGGAGCTTCAGAAGCCCTTCAAGTACACGACGGTGACCAAGAGGTCCCGTCGG 1149
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    541 GGGCAGCCGGAGCTTCAGAAGCCCTTCAAGTACACGACGGTGACCAAGAGGTCCCGTCGG 600

Qy   1150 ATCCGGCCCACACACCCTGCCTAGGCCACCCCGCCGCGGCCCCTCAGGTCGCCCTGGCCA 1209
          |||||||||||||||||||||||||||||||||||| ||||||||||||||||||||||
Db    601 ATCCGGCCCACACACCCTGCCTAGGCCACCCCGCCGCGG-CCCTCAGGTCGCCCTGGCCA 659

Qy   1210 CACTCACACTCCCAGAAAACTGCATCAGAGGAATATTTTTACATGAAAAATAAGGAAGAA 1269
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    660 CACTCACACTCCCAGAAAACTGCATCAGAGGAATATTTTTACATGAAAA---------- 708

Qy   1270 GCTCTATTTTTGTACATTGTGTTTAAAAGAAGACAAAAACTGAACCAAAACTCTTGGGGG 1329

Db    709 ---------------------------------------------------------- 708

Qy   1330 GAGGGGTGATAAGGATTTTATTGTTGACTTGAAACCCCCGATGACAAAAGACTCACGCAA 1389
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    709 --------ATAAGGATTTTATTGTTGACTTGAAACCCCCGATGACAAAAGACTCACGCAA 760

Qy   1390 AGGGACTGTAGTCAACCCACAGGTGCTTGTCTCTCTCTAGGAACAGACAACTCTAAACTC 1449
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    761 AGGGACTGTAGTCAACCCACAGGTGCTTGTCTCTCTCTAGGAACAGACAACTCTAAACTC 820

Qy   1450 GTCCCCAGAGGAGGACTTGAATGAGGAAACCAACACTTTGAGAAGCCAAAGTCCTTTTTC 1509
          |||||||||||||||||||||||||||||||||||||||||| ||||||||||||||||
Db    821 GTCCCCAGAGGAGGACTTGAATGAGGAAACCAACACTTTGAGAAACCAAAGTCCTTTTTC 880

Qy   1510 CCAAAGGTTCTGAAAGGAAAAAAAAAAAAA 1539
          |||||||||||||||  ||||||||||||||
Db    881 CCAAAGGTTCTGAAAAAAAAAAAAAAAAAA 910


RESULT 3
US-10-081-347-38
; Sequence 38, Application US/10081347
; Publication No. US20030008351A1
; GENERAL INFORMATION:
;  APPLICANT: Deisher, Theresa A.
;  APPLICANT:  Conklin, Darrell C.
;  APPLICANT:  Raymond, Fenella
;  APPLICANT:  Bukowski, Thomas R.
;  APPLICANT:  Holderman, Susan D.
;  APPLICANT:  Hansen, Birgit
;  APPLICANT:  Sheppard, Paul O.
;  TITLE OF INVENTION: NOVEL FGF HOMOLOGS
;  FILE REFERENCE: 96-20C1
;  CURRENT APPLICATION NUMBER: US/10/081,347
;  CURRENT FILING DATE:  2002-02-21
;  PRIOR APPLICATION NUMBER: US/09/229,947
;  PRIOR FILING DATE: 1999-01-13
;  NUMBER OF SEQ ID NOS: 43
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 38
;   LENGTH: 1023
;   TYPE: DNA
;   ORGANISM: Mus musculus
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (1)...(624)
US-10-081-347-38

  Query Match            47.0%;  Score 737.6;  DB 9;  Length 1023;
  Best Local Similarity  86.6%;  Pred. No. 1.8e-168;
  Matches  885;  Conservative    0;  Mismatches   99;  Indels   38;  Gaps    5;

Qy    550 ATGTATTCAGCGCCCTCCGCCTGCACTTGCCTGTGTTTACACTTCCTGCTGCTGTGCTTC 609
          ||||||||||||||||||||||||||||||||||||||||||| || ||||||||||||
Db      1 ATGTATTCAGCGCCCTCCGCCTGCACTTGCCTGTGTTTACACTTTCTACTGCTGTGCTTC 60

Qy    610 CAGGTACAGGTGCTGGTTGCCGAGGAGAACGTGGACTTCCGCATCCACGTGGAGAACCAG 669
          ||||| |||||| |||  |||||||||||| ||||||||||||||||||||||||||||||

Db     61 CAGGTTCAGGTGTTGGCAGCCGAGGAGAATGTGGACTTCCGCATCCACGTGGAGAACCAG 120

Qy    670 ACGCGGGCTCGGGACGATGTGAGCCGTAAGCAGCTGCGGCTGTACCAGCTCTACAGCCGG 729
          |||||||||||  || ||||||||  || ||||||||||  |||||||||||||  ||| ||
Db    121 ACGCGGGCTCGAGATGATGTGAGTCGGAAGCAGCTGCGCTTGTACCAGCTCTATAGCAGG 180

Qy    730 ACCAGTGGGAAACACATCCAGGTCCTGGGCCGCAGGATCAGTGCCCGCGGCGAGGATGGG 789
          ||||||||||  ||||| || |||||||||| ||||||||||||| |||||||| |||
Db    181 ACCAGTGGGAAGCACATTCAAGTCCTGGGCCGTAGGATCAGTGCCCGTGGCGAGGACGGG 240

Qy    790 GACAAGTATGCCCAGCTCCTAGTGGAGACAGACACCTTCGGTAGTCAAGTCCGGATCAAG 849
          |||||||||||||||||||||||||||||| |||||||| ||||||||||||||||||
Db    241 GACAAGTATGCCCAGCTCCTAGTGGAGACAGATACCTTCGGGAGTCAAGTCCGGATCAAG 300

Qy    850 GGCAAGGAGACGGAATTCTACCTGTGCATGAACCGCAAAGGCAAGCTCGTGGGGAAGCCC 909
          |||||||||||  |||||||||||||| |||||||| ||||||||||||||||||||||
Db    301 GGCAAGGAGACAGAATTCTACCTGTGTATGAACCGAAAAGGCAAGCTCGTGGGGAAGCCT 360

Qy    910 GATGGCACCAGCAAGGAGTGTGTGTTCATCGAGAAGGTTCTGGAGAACAACTACACGGCC 969
          |||||  || ||||||||||| |||||||| |||||||||||||| ||||||||||||||
Db    361 GATGGTACTAGCAAGGAGTGCGTGTTCATTGAGAAGGTTCTGGAAAACAACTACACGGCC 420

Qy    970 CTGATGTCGGCTAAGTACTCCGGCTGGTACGTGGGCTTCACCAAGAAGGGGCGGCCGCGG 1029
          |||||||| || |||||||| || ||||| ||||||||||||||||||||||||||| ||
Db    421 CTGATGTCTGCCAAGTACTCTGGTTGGTATGTGGGCTTCACCAAGAAGGGGCGGCCTCGC 480

Qy   1030 AAGGGCCCCAAGACCCGGGAGAACCAGCAGGACGTGCATTTCATGAAGCGCTACCCCAAG 1089
          ||||| |||||||||| |||||||||| || || || |||||||||| |||||||||
Db    481 AAGGGTCCCAAGACCCGCGAGAACCAGCAAGATGTACACTTCATGAAGCGTTACCCCAAG 540

Qy   1090 GGGCAGCCGGAGCTTCAGAAGCCCTTCAAGTACACGACGGTGACCAAGAGGTCCCGTCGG 1149
          || ||| | ||||| |||||||||||||| ||||| || || |||||| | ||||| |||
Db    541 GGACAGGCCGAGCTGCAGAAGCCCTTCAAATACACCACAGTCACCAAGCGATCCCGGCGG 600

Qy   1150 ATCCGGCCCACACACCCTGCCTAGGCCACCCCGCCGCGGCCCCTCAGGTCGCCCTGGCCA 1209
          ||||| ||||| ||||| | |||||                                | |||||
Db    601 ATCCGCCCCACTCACCCCGGCTAGG--------------------------TCCGGCCA 633

Qy   1210 CACTCACACTCCCAGAAAACTGCATCAGAGGAATATTTTTACATGAAAAATAAGGAAGAA 1269
          ||||||| | |||||| |||| ||||||||||||||||||||||||||||||||||||||
Db    634 CACTCACCCCCCCAGAGAACTACATCAGAGGAATATTTTTACATGAAAAATAAGGAAGAA 693

Qy   1270 GCTCTATTTTTGTACATTGTGTTTAAAAGAAGACAAAAACTGAACCAAAACTCTTGGGGG 1329
          |||||||||||||||||||||||||||||||||||||||||||||||| ||| ||||||| |
Db    694 TCTCTATTTTTGTACATTGTGTTTAAAAGAAGACAAAAACTGAACCTAAAGTCTTGGGAG 753

Qy   1330 GAGGGGTGATAAGGATTTTATTGTTGACTTGAAACCCCCGATGACAAAAGACTCACGCAA 1389
          |||||| ||| |||||||  | ||||||| ||||   ||| |||||||| ||||||| |||
Db    754 GAGGGGCGAT-AGGATTCCACTGTTGACCTGAA---CCCCATGACAAAGGACTCACACAA 809

Qy   1390 AGGGACTGTAGTCAACCCACAGGTGCTTGTCTCTCTCTAGGAACAGACAACTCTAAACTC 1449
          |||||  |  ||||||||||||||||||| ||||||||||||   ||||| || ||||||
Db    810 GGGGACCGCTGTCAACCCACAGGTGCTTGCCTCTCTCTAGGAGGTGACAATTCAAAACTC 869

Qy   1450 GTCCCCAGAGGAGGACTTGAATGAGGAAACCAACACTTTGAGAAGCCAAAGTCCTTT-TT 1508
          |||||||||||||||||||| ||||||      |||  ||||| ||||||||||| ||
Db    870 ATCCCCAGAGGAGGACTTGAACGAGGAA------ACTGCGAGAAACCAAAGTCCTTTCCC 923

Qy   1509 CCCAAAGGTTCTGAAAGGAAAAAAAAAAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1568
          |||||||||||||||| ||| |||||||| ||||||||||||||||||||||||||||||
Db    924 CCCAAAGGTTCTGAAAGCAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 983

Qy   1569 AA 1570
          ||
Db    984 AA 985


RESULT 4
US-09-820-596-4
; Sequence 4, Application US/09820596
; Publication No. US20030022170A1
;  GENERAL INFORMATION:
;       APPLICANT: Khodadoust, Mehran Mohammad
```

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;       TITLE OF INVENTION: NOVEL FIBROBLAST GROWTH FACTORS AND
;                           THERAPEUTIC AND DIAGNOSTIC USES THEREFOR
;       NUMBER OF SEQUENCES: 18
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: FOLEY, HOAG & ELIOT LLP
;            STREET: One Post Office Square
;            CITY: Boston
;            STATE: MA
;            COUNTRY: USA
;            ZIP: 02109-2170
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/820,596
;            FILING DATE: 29-Mar-2001
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 09/036,594
;            FILING DATE: <Unknown>
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Arnold E., Beth
;            REGISTRATION NUMBER: 35,430
;            REFERENCE/DOCKET NUMBER: MIA-026.01
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 617-832-1000
;            TELEFAX: 617-832-7000
;  INFORMATION FOR SEQ ID NO: 4:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 903 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: cDNA
;       FEATURE:
;            NAME/KEY:  CDS
;            LOCATION:  2..622
;       SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-820-596-4

  Query Match             44.3%;  Score 695;  DB 9;  Length 903;
  Best Local Similarity   87.0%;  Pred. No. 3.3e-158;
  Matches  810;  Conservative    0;  Mismatches   90;  Indels   31;  Gaps    3;

Qy    549 GATGTATTCAGCGCCCTCCGCCTGCACTTGCCTGTGTTTACACTTCCTGCTGCTGTGCTT 608
          ||||||||||||||||||||||||||||||||||||||||||||||||| || ||||||||||
Db      1 GATGTATTCAGCGCCCTCCGCCTGCACTTGCCTGTGTTTACACTTTCTACTGCTGTGCTT 60

Qy    609 CCAGGTACAGGTGCTGGTTGCCGAGGAGAACGTGGACTTCCGCATCCACGTGGAGAACCA 668
          |||||| |||||| |||  |||||||||| ||||||||||||||||||||||||||||||
Db     61 CCAGGTTCAGGTGTTGGCAGCCGAGGAGAATGTGGACTTCCGCATCCACGTGGAGAACCA 120

Qy    669 GACGCGGGCTCGGGACGATGTGAGCCGTAAGCAGCTGCGGCTGTACCAGCTCTACAGCCG 728
          |||||||||||| || |||||||| || ||||||||||  ||||||||||||| ||| |
Db    121 GACGCGGGCTCGAGATGATGTGAGTCGGAAGCAGCTGCGCTTGTACCAGCTCTATAGCAG 180

Qy    729 GACCAGTGGGAAACACATCCAGGTCCTGGGCCGCAGGATCAGTGCCCGCGGCGAGGATGG 788
          |||||||||||| ||||| || |||||||||| |||||||||||||| |||||||| ||
Db    181 GACCAGTGGGAAGCACATTCAAGTCCTGGGCCGTAGGATCAGTGCCCGTGGCGAGGACGG 240

Qy    789 GGACAAGTATGCCCAGCTCCTAGTGGAGACAGACACCTTCGGTAGTCAAGTCCGGATCAA 848
          |||||||||||||||||||||||||||||||| |||||||| ||||||||||||||||||
Db    241 GGACAAGTATGCCCAGCTCCTAGTGGAGACAGATACCTTCGGGAGTCAAGTCCGGATCAA 300

Qy    849 GGGCAAGGAGACGGAATTCTACCTGTGCATGAACCGCAAAGGCAAGCTCGTGGGGAAGCC 908
          |||||||||||| |||||||||||||| |||||||| ||||||||||||||||||||||
Db    301 GGGCAAGGAGACAGAATTCTACCTGTGTATGAACCGAAAAGGCAAGCTCGTGGGGAAGCC 360

Qy    909 CGATGGCACCAGCAAGGAGTGTGTGTTCATCGAGAAGGTTCTGGAGAACAACTACACGGC 968
          |||||  || |||||||||| |||||||| |||||||||||||| |||||||||||||||
Db    361 TGATGGTACTAGCAAGGAGTGCGTGTTCATTGAGAAGGTTCTGGAAAACAACTACACGGC 420

Qy    969 CCTGATGTCGGCTAAGTACTCCGGCTGGTACGTGGGCTTCACCAAGAAGGGGCGGCCGCG 1028
          ||||||||| || |||||||| || ||||| ||||||||||||||||||||||||||| ||
Db    421 CCTGATGTCTGCCAAGTACTCTGGTTGGTATGTGGGCTTCACCAAGAAGGGGCGGCCTCG 480

Qy   1029 GAAGGGCCCCAAGACCCGGGAGAACCAGCAGGACGTGCATTTCATGAAGCGCTACCCCAA 1088
          ||||| |||||||||||| |||||||||| || || || |||||||||| ||||||||
Db    481 CAAGGGTCCCAAGACCCGCGAGAACCAGCAAGATGTACACTTCATGAAGCGTTACCCCAA 540

Qy   1089 GGGGCAGCCGGAGCTTCAGAAGCCCTTCAAGTACACGACGGTGACCAAGAGGTCCCGTCG 1148
          ||| ||| | ||||| |||||||||||||| ||||| || || |||||| | ||||| ||
Db    541 GGGACAGGCCGAGCTGCAGAAGCCCTTCAAATACACCACAGTCACCAAGCGATCCCGGCG 600

Qy   1149 GATCCGGCCCACACACCCTGCCTAGGCCACCCCGCCGCGGCCCCTCAGGTCGCCCTGGCC 1208
          |||||| ||||| ||||| | |||||                              | ||||
Db    601 GATCCGCCCCACTCACCCCGGCTAGG--------------------------TCCGGCC 633

Qy   1209 ACACTCACACTCCCAGAAAACTGCATCAGAGGAATATTTTTACATGAAAAATAAGGAAGA 1268
          |||||||| | |||||| |||| ||||||||||||||||||||||||||||||||||||
Db    634 ACACTCACCCCCCCAGAGAACTACATCAGAGGAATATTTTTACATGAAAAATAAGGAAGA 693

Qy   1269 AGCTCTATTTTTGTACATTGTGTTTAAAAGAAGACAAAAACTGAACCAAAACTCTTGGGG 1328
          | |||||||||||||||||||||||||||||||||||||||||||| ||| ||||||||
Db    694 ATCTCTATTTTTGTACATTGTGTTTAAAAGAAGACAAAAACTGAACCTAAAGTCTTGGGG 753

Qy   1329 GGAGGGGTGATAAGGATTTTATTGTTGACTTGAAACCCCCGATGACAAAAGACTCACGCA 1388
          ||||||| ||| |||||| | ||||||| |||   ||| |||||||| ||||||| ||
Db    754 GGAGGGGCGAT-AGGATTCCACTGTTGACCTGAA---CCCCATGACAAAGGACTCACACA 809

Qy   1389 AAGGGACTGTAGTCAACCCACAGGTGCTTGTCTCTCTCTAGGAACAGACAACTCTAAACT 1448
          | ||||| |  |||||||||||||||||| |||||||||||   ||||| || |||||
Db    810 AGGGGACCGCTGTCAACCCACAGGTGCTTGCCTCTCTCTAGGAGGTGACAATTCAAAACT 869

Qy   1449 CGTCCCCAGAGGAGGACTTGAATGAGGAAAC 1479
          | |||||||||||||||||| ||||||||
Db    870 CATCCCCAGAGGAGGACTTGAACGAGGAAAC 900


RESULT 5
US-09-820-596-3
; Sequence 3, Application US/09820596
; Publication No. US20030022170A1
;   GENERAL INFORMATION:
;       APPLICANT: Khodadoust, Mehran Mohammad
;       TITLE OF INVENTION: NOVEL FIBROBLAST GROWTH FACTORS AND
;                           THERAPEUTIC AND DIAGNOSTIC USES THEREFOR
;       NUMBER OF SEQUENCES: 18
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: FOLEY, HOAG & ELIOT LLP
;            STREET: One Post Office Square
;            CITY: Boston
;            STATE: MA
;            COUNTRY: USA
;            ZIP: 02109-2170
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/820,596
;            FILING DATE: 29-Mar-2001
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 09/036,594
;            FILING DATE: <Unknown>
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Arnold E., Beth
;            REGISTRATION NUMBER: 35,430
;            REFERENCE/DOCKET NUMBER: MIA-026.01
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 617-832-1000
;            TELEFAX: 617-832-7000
;  INFORMATION FOR SEQ ID NO: 3:
;       SEQUENCE CHARACTERISTICS:
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;             LENGTH: 621 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;          MOLECULE TYPE: cDNA
;          SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-820-596-3

  Query Match             35.7%;  Score 560.2;  DB 9;  Length 621;
  Best Local Similarity   93.9%;  Pred. No. 9.8e-126;
  Matches  583;  Conservative    0;  Mismatches   38;  Indels    0;  Gaps    0;

Qy    550 ATGTATTCAGCGCCCTCCGCCTGCACTTGCCTGTGTTTACACTTCCTGCTGCTGTGCTTC 609
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1 ATGTATTCAGCGCCCTCCGCCTGCACTTGCCTGTGTTTACACTTCCTGCTGCTGTGCTTC 60

Qy    610 CAGGTACAGGTGCTGGTTGCCGAGGAGAACGTGGACTTCCGCATCCACGTGGAGAACCAG 669
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     61 CAGGTACAGGTGCTGGTTGCCGAGGAGAACGTGGACTTCCGCATCCACGTGGAGAACCAG 120

Qy    670 ACGCGGGCTCGGGACGATGTGAGCCGTAAGCAGCTGCGGCTGTACCAGCTCTACAGCCGG 729
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    121 ACGCGGGCTCGGGACGATGTGAGCCGTAAGCAGCTGCGGCTGTACCAGCTCTACAGCCGG 180

Qy    730 ACCAGTGGGAAACACATCCAGGTCCTGGGCCGCAGGATCAGTGCCCGCGGCGAGGATGGG 789
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    181 ACCAGTGGGAAACACATCCAGGTCCTGGGCCGCAGGATCAGTGCCCGCGGCGAGGATGGG 240

Qy    790 GACAAGTATGCCCAGCTCCTAGTGGAGACAGACACCTTCGGTAGTCAAGTCCGGATCAAG 849
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    241 GACAAGTATGCCCAGCTCCTAGTGGAGACAGACACCTTCGGTAGTCAAGTCCGGATCAAG 300

Qy    850 GGCAAGGAGACGGAATTCTACCTGTGCATGAACCGCAAAGGCAAGCTCGTGGGGAAGCCC 909
          |||||||||||| |||||||||||||| |||||||| ||||||||||||||||||||||||
Db    301 GGCAAGGAGACAGAATTCTACCTGTGTATGAACCGAAAAGGCAAGCTCGTGGGGAAGCCT 360

Qy    910 GATGGCACCAGCAAGGAGTGTGTGTTCATCGAGAAGGTTCTGGAGAACAACTACACGGCC 969
          ||||| || |||||||||||| |||||||| |||||||||||||| |||||||||||||||
Db    361 GATGGTACTAGCAAGGAGTGCGTGTTCATTGAGAAGGTTCTGGAAAACAACTACACGGCC 420

Qy    970 CTGATGTCGGCTAAGTACTCCGGCTGGTACGTGGGCTTCACCAAGAAGGGGCGGCCGCGG 1029
          |||||||| || |||||||| || ||||| ||||||||||||||||||||||||||| ||
Db    421 CTGATGTCTGCCAAGTACTCTGGTTGGTATGTGGGCTTCACCAAGAAGGGGCGGCCTCGC 480

Qy   1030 AAGGGCCCCAAGACCCGGGAGAACCAGCAGGACGTGCATTTCATGAAGCGCTACCCCAAG 1089
          ||||| |||||||||||| |||||||||||| || || || |||||||||| |||||||||
Db    481 AAGGGTCCCAAGACCCGCGAGAACCAGCAAGATGTACACTTCATGAAGCGTTACCCCAAG 540

Qy   1090 GGGCAGCCGGAGCTTCAGAAGCCCTTCAAGTACACGACGGTGACCAAGAGGTCCCGTCGG 1149
          || ||| | ||||| |||||||||||||| ||||| || || |||||| | ||||| |||
Db    541 GGACAGGCCGAGCTGCAGAAGCCCTTCAAATACACCACAGTCACCAAGCGATCCCGGCGG 600

Qy   1150 ATCCGGCCCACACACCCTGCC 1170
          ||||| ||||| ||||| | |
Db    601 ATCCGCCCCACTCACCCCGGC 621


RESULT 6
US-09-820-596-6
; Sequence 6, Application US/09820596
; Publication No. US20030022170A1
;   GENERAL INFORMATION:
;        APPLICANT: Khodadoust, Mehran Mohammad
;        TITLE OF INVENTION: NOVEL FIBROBLAST GROWTH FACTORS AND
;                            THERAPEUTIC AND DIAGNOSTIC USES THEREFOR
;        NUMBER OF SEQUENCES: 18
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: FOLEY, HOAG & ELIOT LLP
;             STREET: One Post Office Square
;             CITY: Boston
;             STATE: MA
;             COUNTRY: USA
;             ZIP: 02109-2170
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/820,596
;             FILING DATE: 29-Mar-2001
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 09/036,594
;             FILING DATE: <Unknown>
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Arnold E., Beth
;             REGISTRATION NUMBER: 35,430
;             REFERENCE/DOCKET NUMBER: MIA-026.01
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 617-832-1000
;             TELEFAX: 617-832-7000
;   INFORMATION FOR SEQ ID NO: 6:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 621 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: cDNA
;        SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-820-596-6

  Query Match             33.3%;  Score 523.4;  DB 9;  Length 621;
  Best Local Similarity   90.2%;  Pred. No. 7.4e-117;
  Matches  560;  Conservative    0;  Mismatches   61;  Indels    0;  Gaps    0;

Qy    550 ATGTATTCAGCGCCCTCCGCCTGCACTTGCCTGTGTTTACACTTCCTGCTGCTGTGCTTC 609
          |||||||||||||||||||||||||||||||||||||||||||| || ||||||||||||
Db      1 ATGTATTCAGCGCCCTCCGCCTGCACTTGCCTGTGTTTACACTTTCTACTGCTGTGCTTC 60

Qy    610 CAGGTACAGGTGCTGGTTGCCGAGGAGAACGTGGACTTCCGCATCCACGTGGAGAACCAG 669
          ||||| |||||| |||  |||||||||||| |||||||||||||||||||||||||||||
Db     61 CAGGTTCAGGTGTTGGCAGCCGAGGAGAATGTGGACTTCCGCATCCACGTGGAGAACCAG 120

Qy    670 ACGCGGGCTCGGGACGATGTGAGCCGTAAGCAGCTGCGGCTGTACCAGCTCTACAGCCGG 729
          |||||||||| || |||||||| || |||||||||||  |||||||||||| ||| ||
Db    121 ACGCGGGCTCGAGATGATGTGAGTCGGAAGCAGCTGCGCTTGTACCAGCTCTATAGCAGG 180

Qy    730 ACCAGTGGGAAACACATCCAGGTCCTGGGCCGCAGGATCAGTGCCCGCGGCGAGGATGGG 789
          |||||||||||  ||||| || |||||||||||  |||||||||||||| |||||||| |||
Db    181 ACCAGTGGGAAGCACATTCAAGTCCTGGGCCGTAGGATCAGTGCCCGTGGCGAGGACGGG 240

Qy    790 GACAAGTATGCCCAGCTCCTAGTGGAGACAGACACCTTCGGTAGTCAAGTCCGGATCAAG 849
          ||||||||||||||||||||||||||||||||||||||||||| |||||||| ||||||||||||||||||||
Db    241 GACAAGTATGCCCAGCTCCTAGTGGAGACAGATACCTTCGGGAGTCAAGTCCGGATCAAG 300

Qy    850 GGCAAGGAGACGGAATTCTACCTGTGCATGAACCGCAAAGGCAAGCTCGTGGGGAAGCCC 909
          |||||||||||| |||||||||||||| |||||||| |||||||||||||||||||||||||
Db    301 GGCAAGGAGACAGAATTCTACCTGTGTATGAACCGAAAAGGCAAGCTCGTGGGGAAGCCT 360

Qy    910 GATGGCACCAGCAAGGAGTGTGTGTTCATCGAGAAGGTTCTGGAGAACAACTACACGGCC 969
          ||||| || |||||||||||| |||||||| |||||||||||||| ||||||||||||||||
Db    361 GATGGTACTAGCAAGGAGTGCGTGTTCATTGAGAAGGTTCTGGAAAACAACTACACGGCC 420

Qy    970 CTGATGTCGGCTAAGTACTCCGGCTGGTACGTGGGCTTCACCAAGAAGGGGCGGCCGCGG 1029
          |||||||| || ||||| || ||||| ||||||||||||||||||||||||||||| ||
Db    421 CTGATGTCTGCCAAGTACTCTGGTTGGTATGTGGGCTTCACCAAGAAGGGGCGGCCTCGC 480

Qy   1030 AAGGGCCCCAAGACCCGGGAGAACCAGCAGGACGTGCATTTCATGAAGCGCTACCCCAAG 1089
          ||||| |||||||||||| |||||||||||| || || || |||||||||| |||||||||
Db    481 AAGGGTCCCAAGACCCGCGAGAACCAGCAAGATGTACACTTCATGAAGCGTTACCCCAAG 540

Qy   1090 GGGCAGCCGGAGCTTCAGAAGCCCTTCAAGTACACGACGGTGACCAAGAGGTCCCGTCGG 1149
          || ||| | ||||| |||||||||||||| ||||| || || |||||| | ||||| |||
Db    541 GGACAGGCCGAGCTGCAGAAGCCCTTCAAATACACCACAGTCACCAAGCGATCCCGGCGG 600

Qy   1150 ATCCGGCCCACACACCCTGCC 1170
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          ||||| ||||| ||||| | |
Db    601 ATCCGCCCCACTCACCCCGGC 621


RESULT 7
US-10-081-347-6
; Sequence 6, Application US/10081347
; Publication No. US20030008351A1
; GENERAL INFORMATION:
;  APPLICANT: Deisher, Theresa A.
;  APPLICANT:  Conklin, Darrell C.
;  APPLICANT:  Raymond, Fenella
;  APPLICANT:  Bukowski, Thomas R.
;  APPLICANT:  Holderman, Susan D.
;  APPLICANT:  Hansen, Birgit
;  APPLICANT:  Sheppard, Paul O.
;  TITLE OF INVENTION: NOVEL FGF HOMOLOGS
;  FILE REFERENCE: 96-20C1
;  CURRENT APPLICATION NUMBER: US/10/081,347
;  CURRENT FILING DATE:  2002-02-21
;  PRIOR APPLICATION NUMBER: US/09/229,947
;  PRIOR FILING DATE: 1999-01-13
;  NUMBER OF SEQ ID NOS: 43
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 6
;   LENGTH: 621
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: degenerate sequence
;   FEATURE:
;   NAME/KEY: variation
;   LOCATION: (1)...(621)
;   OTHER INFORMATION: n is any nucleotide
US-10-081-347-6

  Query Match             28.5%;  Score 447;  DB 9;  Length 621;
  Best Local Similarity   58.1%;  Pred. No. 2e-98;
  Matches  360;  Conservative  151;  Mismatches  109;  Indels    0;  Gaps    0;

Qy    550 ATGTATTCAGCGCCCTCCGCCTGCACTTGCCTGTGTTTACACTTCCTGCTGCTGTGCTTC 609
          |||||::: || || :: || ||:|| ||::| ||::| ||:||::| :| :| ||:||:
Db      1 ATGTAYWSNGCNCCNWSNGCNTGYACNTGYYTNTGYYTNCAYTTYYTNYTNYTNTGYTTY 60

Qy    610 CAGGTACAGGTGCTGGTTGCCGAGGAGAACGTGGACTTCCGCATCCACGTGGAGAACCAG 669
          ||:|| ||:|| :| || || ||:||:||:|| ||:||::| ||: |:|| ||:|| ||:
Db     61 CARGTNCARGTNYTNGTNGCNGARGARAAYGTNGAYTTYMGNATHGAYGTNGARAARCAR 120

Qy    670 ACGCGGGCTCGGGACGATGTGAGCCGTAAGCAGCTGCGGCTGTACCAGCTCTACAGCCGG 729
          || :| || :| ||:||:|| :: :| ||:||::| :| :| ||:||::| ||::: :|
Db    121 ACNMGNGCNMGNGAYGAYGTNWSNMGNAARCARYTNMGNYTNTAYCARYTNTAYWSNMGN 180

Qy    730 ACCAGTGGGAAACACATCCAGGTCCTGGGCCGCAGGATCAGTGCCCGCGGCGAGGATGGG 789
          || :: || ||:||:||:||:|| :| || :| :| ||::: || :| || ||:||:||
Db    181 ACNWSNGGNAARCAYATHCARGTNYTNGGNMGNMGNATHWSNGCNMGNGGNGARGAYGGN 240

Qy    790 GACAAGTATGCCCAGCTCCTAGTGGAGACAGACACCTTCGGTAGTCAAGTCCGGATCAAG 849
          ||:||:||:|| ||::| :| || ||:|| ||:|| ||:|| :: ||:|| :| ||:||:
Db    241 GAYAARTAYGCNCARYTNYTNGTNGARACNGAYACNTTYGGNWSNCARGTNMGNATHAAR 300

Qy    850 GGCAAGGAGACGGAATTCTACCTGTGCATGAACCGCAAAGGCAAGCTCGTGGGGAAGCCC 909
          || ||:||:|| ||:||:||::| ||:|||||::| ||:|| ||::| || || ||:||
Db    301 GGNAARGARACNGARTTYTAYYTNTGYATGAAYMGNAARGGNAARYTNGTNGGNAARCCN 360

Qy    910 GATGGCACCAGCAAGGAGTGTGTGTTCATCGAGAAGGTTCTGGAGAACAACTACACGGCC 969
          ||:|| || :: ||:||:||:|| ||:||:||:||:|| :| ||:||:||:||:||:|| ||
Db    361 GAYGGNACNWSNAARGARTGYGTNTTYATHGARAARGTNYTNGARAAYAAYTAYACNGCN 420

Qy    970 CTGATGTCGGCTAAGTACTCCGGCTGGTACGTGGGCTTCACCAAGAAGGGGCGGCCGCGG 1029
          :| |||:: || ||:||::: || ||||||:|| || ||:|| ||:||:|| :| || :|
Db    421 YTNATGWSNGCNAARTAYWSNGGNTGGTAYGTNGGNTTYACNAARAARGGNMGNCCNMGN 480

Qy   1030 AAGGGCCCCAAGACCCGGGAGAACCAGCAGGACGTGCATTTCATGAAGCGCTACCCCAAG 1089
          ||:|| || ||:|| :| ||:|||:||:||:||:|| ||:||:|||||::| ||:|| ||:
Db    481 AARGGNCCNAARACNMGNGARAAYCARCARGAYGTNCAYTTYATGAARMGNTAYCCNAAR 540

Qy   1090 GGGCAGCCGGAGCTTCAGAAGCCCTTCAAGTACACGACGGTGACCAAGAGGTCCCGTCGG 1149
          || ||:|| ||::| ||:||:|| ||:||:||:|| || || || ||::| :: :| :|
Db    541 GGNCARCCNGARYTNCARAARCCNTTYAARTAYACNACNGTNACNAARMGNWSNMGNMGN 600

Qy   1150 ATCCGGCCCACACACCCTGC 1169
          ||::| || || ||:|| ||
Db    601 ATHMGNCCNACNCAYCCNGC 620


RESULT 8
US-09-918-995-28417
; Sequence 28417, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
;  APPLICANT: Hyseq, Inc.
;  TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
;  TITLE OF INVENTION:  FROM VARIOUS cDNA LIBRARIES
;  FILE REFERENCE: 20411-756
;  CURRENT APPLICATION NUMBER: US/09/918,995
;  CURRENT FILING DATE:  2001-07-30
;  PRIOR APPLICATION NUMBER: US/09/235,076
;  PRIOR FILING DATE: 1999-01-20
;  NUMBER OF SEQ ID NOS: 38054
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 28417
;   LENGTH: 459
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)...(459)
;   OTHER INFORMATION: n = A,T,C or G
US-09-918-995-28417

  Query Match             26.3%;  Score 412.2;  DB 9;  Length 459;
  Best Local Similarity   99.3%;  Pred. No. 4.6e-90;
  Matches  414;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy   1084 CCCAAGGGGCAGCCGGAGCTTCAGAAGCCCTTCAAGTACACGACGGTGACCAAGAGGTCC 1143
          ||| ||||||||||||||||||||||||||||||||||||||||||| ||||||||||||||
Db     43 CCCCAGGGGCAGCCGGAGCTTCAGAAGCCCTTCAAGTACACGACTGTGACCAAGAGGTCC 102

Qy   1144 CGTCGGATCCGGCCCACACACCCTGCCTAGGCCACCCCGCCGCGGCCCCTCAGGTCGCCC 1203
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    103 CGTCGGATCCGGCCCACACACCCTGCCTAGGCCACCCCGCCGCGGCCCCTCAGGTCGCCC 162

Qy   1204 TGGCCACACTCACACTCCCAGAAAACTGCATCAGAGGAATATTTTTACATGAAAAATAAG 1263
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    163 TGGCCACACTCACACTCCCAGAAAACTGCATCAGAGGAATATTTTTACATGAAAAATAAG 222

Qy   1264 GAAGAAGCTCTATTTTTGTACATTGTGTTTAAAAGAAGACAAAAACTGAACCAAAACTCT 1323
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    223 GAAGAAGCTCTATTTTTGTACATTGTGTTTAAAAGAAGACAAAAACTGAACCAAAACTCT 282

Qy   1324 TGGGGGGAGGGGTGATAAGGATTTTATTGTTGACTTGAAACCCCCGATGACAAAAGACTC 1383
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    283 TGGGGGGAGGGGTGATAAGGATTTTATTGTTGACTTGAAACCCCCGATGACAAAAGACTC 342

Qy   1384 ACGCAAAGGGACTGTAGTCAACCCACAGGTGCTTGTCTCTCTCTAGGAACAGACAACTCT 1443
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    343 ACGCAAAGGGACTGTAGTCAACCCACAGGTGCTTGTCTCTCTCTAGGAACAGACAACTCT 402

Qy   1444 AAACTCGTCCCCAGAGGAGGACTTGAATGAGGAAACCAACACTTTGAGAAGCCAAAG 1500
          ||||||||||||||||||||||||||||||||||||||||||||||||| ||||||
Db    403 AAACTCGTCCCCAGAGGAGGACTTGAATGAGGAAACCAACACTTTGAGAAACCAAAG 459


RESULT 9
US-09-820-596-15
; Sequence 15, Application US/09820596
```

```
; Publication No. US20030022170A1
;  GENERAL INFORMATION:
;       APPLICANT: Khodadoust, Mehran Mohammad
;       TITLE OF INVENTION: NOVEL FIBROBLAST GROWTH FACTORS AND
;                           THERAPEUTIC AND DIAGNOSTIC USES THEREFOR
;       NUMBER OF SEQUENCES: 18
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: FOLEY, HOAG & ELIOT LLP
;            STREET: One Post Office Square
;            CITY: Boston
;            STATE: MA
;            COUNTRY: USA
;            ZIP: 02109-2170
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/820,596
;            FILING DATE: 29-Mar-2001
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 09/036,594
;            FILING DATE: <Unknown>
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Arnold E., Beth
;            REGISTRATION NUMBER: 35,430
;            REFERENCE/DOCKET NUMBER: MIA-026.01
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 617-832-1000
;            TELEFAX: 617-832-7000
;  INFORMATION FOR SEQ ID NO: 15:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 455 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: DNA
;       SEQUENCE DESCRIPTION: SEQ ID NO: 15:
US-09-820-596-15

  Query Match             26.1%;  Score 409.8;  DB 9;  Length 455;
  Best Local Similarity   98.9%;  Pred. No. 1.7e-89;
  Matches  444;  Conservative    0;  Mismatches    2;  Indels    3;  Gaps    3;

Qy   1075 AAGCGCTACCCCAAGGGGCAGCCGGAGCTTCAGAAGCCCTTCAAGTACACGACGGTGACC 1134
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1 AAGCGCTACCCCAAGGGGCAGCCGGAGCTTCAGAAGCCCTTCAAGTACACGACGGTGACC 60

Qy   1135 AAGAGGTCCCGTCGGATCCGGCCCACACACCCTGCCTAGGCCACCCCGCCGCGGCCCCTC 1194
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     61 AAGAGGTCCCGTCGGATCCGGCCCACACACCCTGCCTAGGCCACCCCGCCGCGGCCCCTC 120

Qy   1195 AGGTCGCCCTGGCCACACTCACACTCCCAGAAAACTGCATCAGAGGAATATTTTTACATG 1254
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    121 AGGTCGCCCTGGCCACACTCACACTCCCAGAAAACTGCATCAGAGGAATATTTTTACATG 180

Qy   1255 AAAAATAAGGAAGAAGCTCTATTTTTGTACATTGTGTTTAAAAGAAGACAAAAACTGAAC 1314
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    181 AAAAATAAGGAAGAAGCTCTATTTTTGTACATTGTGTTTAAAAGAAGACAAAAACTGAAC 240

Qy   1315 CAAAACTCTTGGGGGGAGGGGTGATAAGGATTTTATTGTTGACTTGAAACCCCCGA-TGA 1373
          ||||||||||||||||||||||||||||||||||||||||||||||||||||| ||| |||
Db    241 CAAAACTCTTGGGGGGAGGGGTGATAAGGATTTTATTGTTGACTTGAAACCCCCGATTGA 300

Qy   1374 CAAAAGACTCAC-GCAAAGGGACTGTAGTCAACCCACAGGTGC-TTGTCTCTCTCTAGGA 1431
          |||||||||||| |||||||||||||||||||||||||||||| |||||||||||||||
Db    301 CAAAAGACTCACGGCAAAGGGACTGTAGTCAACCCACAGGTGCTTTGTCTCTCTCTAGGA 360

Qy   1432 ACAGACAACTCTAAACTCGTCCCCAGAGGAGGACTTGAATGAGGAAACCAACACTTTGAG 1491
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    361 ACAGACAACTCTAAACTCGTCCCCAGAGGAGGACTTGAATGAGGAAACCAACACTTTGAG 420

Qy   1492 AAGCCAAAGTCCTTTTTCCCAAAGGTTCT 1520
          || |||||||||||||||||||||||||| ||
Db    421 AAACCAAAGTCCTTTTTCCCAAAGGTCCT 449


RESULT 10
US-09-820-596-16
; Sequence 16, Application US/09820596
; Publication No. US20030022170A1
;  GENERAL INFORMATION:
;       APPLICANT: Khodadoust, Mehran Mohammad
;       TITLE OF INVENTION: NOVEL FIBROBLAST GROWTH FACTORS AND
;                           THERAPEUTIC AND DIAGNOSTIC USES THEREFOR
;       NUMBER OF SEQUENCES: 18
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: FOLEY, HOAG & ELIOT LLP
;            STREET: One Post Office Square
;            CITY: Boston
;            STATE: MA
;            COUNTRY: USA
;            ZIP: 02109-2170
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/820,596
;            FILING DATE: 29-Mar-2001
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 09/036,594
;            FILING DATE: <Unknown>
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Arnold E., Beth
;            REGISTRATION NUMBER: 35,430
;            REFERENCE/DOCKET NUMBER: MIA-026.01
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 617-832-1000
;            TELEFAX: 617-832-7000
;  INFORMATION FOR SEQ ID NO: 16:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 390 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: DNA
;       SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-09-820-596-16

  Query Match             22.5%;  Score 354;  DB 9;  Length 390;
  Best Local Similarity   99.2%;  Pred. No. 4.8e-76;
  Matches  387;  Conservative    0;  Mismatches    0;  Indels    3;  Gaps    3;

Qy   1075 AAGCGCTACCCCAAGGGGCAGCCGGAGCTTCAGAAGCCCTTCAAGTACACGACGGTGACC 1134
          ||||||||||||| |||||||||||||||||||||||||||||||||||||||||||||
Db      1 AAGCGCTACCCCAA-GGGCAGCCGGAGCTTCAGAAGCCCTTCAAGTACACGACGGTGACC 59

Qy   1135 AAGAGGTCCCGTCGGATCCGGCCCACACACCCTGCCTAGGCCACCCCGCCGCGGCCCCTC 1194
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     60 AAGAGGTCCCGTCGGATCCGGCCCACACACCCTGCCTAGGCCACCCCGCCGCGGCCCCTC 119

Qy   1195 AGGTCGCCCTGGCCACACTCACACTCCCAGAAAACTGCATCAGAGGAATATTTTTACATG 1254
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    120 AGGTCGCCCTGGCCACACTCACACTCCCAGAAAACTGCATCAGAGGAATATTTTTACATG 179

Qy   1255 AAAAATAAGGAAGAAGCTCTATTTTTGTACATTGTGTTTAAAAGAAGACAAAAACTGAAC 1314
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    180 AAAAATAAGGAAGAAGCTCTATTTTTGTACATTGTGTTTAAAAGAAGACAAAAACTGAAC 239

Qy   1315 CAAAACTCTTGGGGGGAGGGGTGATAAGGATTTTATTGTTGACTTGAAACCCCCGA-TGA 1373
          ||||||||||||||||||||||||||||||||||||||||||||||||||||| ||| |||
Db    240 CAAAACTCTTGGGGGGAGGGGTGATAAGGATTTTATTGTTGACTTGAAACCCCCGATTGA 299
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Qy   1374 CAAAAGACTCACGCAAAGGGACTGT-AGTCAACCCACAGGTGCTTGTCTCTCTCTAGGAA 1432
          ||||||||||||||||||||||||| |||||||||||||||||||||||||||||||||
Db    300 CAAAAGACTCACGCAAAGGGACTGTAAGTCAACCCACAGGTGCTTGTCTCTCTCTAGGAA 359

Qy   1433 CAGACAACTCTAAACTCGTCCCCAGAGGAG 1462
          ||||||||||||||||||||||||||||||
Db    360 CAGACAACTCTAAACTCGTCCCCAGAGGAG 389


RESULT 11
US-09-820-596-17/c
; Sequence 17, Application US/09820596
; Publication No. US20030022170A1
;   GENERAL INFORMATION:
;        APPLICANT: Khodadoust, Mehran Mohammad
;        TITLE OF INVENTION: NOVEL FIBROBLAST GROWTH FACTORS AND
;                            THERAPEUTIC AND DIAGNOSTIC USES THEREFOR
;        NUMBER OF SEQUENCES: 18
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: FOLEY, HOAG & ELIOT LLP
;             STREET: One Post Office Square
;             CITY: Boston
;             STATE: MA
;             COUNTRY: USA
;             ZIP: 02109-2170
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/820,596
;             FILING DATE: 29-Mar-2001
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 09/036,594
;             FILING DATE: <Unknown>
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Arnold E., Beth
;             REGISTRATION NUMBER: 35,430
;             REFERENCE/DOCKET NUMBER: MIA-026.01
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 617-832-1000
;             TELEFAX: 617-832-7000
;   INFORMATION FOR SEQ ID NO: 17:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 403 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA
;        SEQUENCE DESCRIPTION: SEQ ID NO: 17:
US-09-820-596-17

  Query Match             22.2%;  Score 349.2;  DB 9;  Length 403;
  Best Local Similarity   96.0%;  Pred. No. 6.9e-75;
  Matches  389;  Conservative    0;  Mismatches   11;  Indels    5;  Gaps    3;

Qy   1118 AGTACACGACGGTGACCAAGAGGTCCCGTCGGATCCGGCCCACACACCCTGCCTAGGCCA 1177
          | ||||||||||  |||||||||||||||||||||||||||||||| |      |
Db    400 AATACACGACGGT-NCCAAGAGGTCCCGTCGGATCCGGCCCACACACCCTNCTAG---CC 345

Qy   1178 CCCCGCCGCGGCCCCTCAGGTCGCCCTGGCCACACTCACACTCCCAGAAAACTGCATCAG 1237
           |||  |||||||||||||||||||||||||||||||||||||||| ||||||||||||
Db    344 ACCCCNCGCGGCCCCTCAGGTCGCCCTGGCCACACTCACACTCCCAG-AAACTGCATCAG 286

Qy   1238 AGGAATATTTTTACATGAAAAATAAGGAAGAAGCTCTATTTTTGTACATTGTGTTTAAAA 1297
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    285 AGGAATATTTTTACATGAAAAATAAGGAAGAAGCTCTATTTTTGTACATTGTGTTTAAAA 226

Qy   1298 GAAGACAAAAACTGAACCAAAACTCTTGGGGGGAGGGGTGATAAGGATTTTATTGTTGAC 1357
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    225 GAAGACAAAAACTGAACCAAAACTCTTGGGGGGAGGGGTGATAAGGATTTTATTGTTGAC 166

Qy   1358 TTGAAACCCCCGATGACAAAAGACTCACGCAAAGGGACTGTAGTCAACCCACAGGTGCTT 1417
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    165 TTGAAACCCCCGATGACAAAAGACTCACGCAAAGGGACTGTAGTCAACCCACAGGTGCTT 106

Qy   1418 GTCTCTCTCTAGGAACAGACAACTCTAAACTCGTCCCCAGAGGAGGACTTGAATGAGGAA 1477
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    105 GTCTCTCTCTAGGAACAGACAACTCTAAACTCGTCCCCAGAGGAGGACTTGAATGAGGAA 46

Qy   1478 ACCAACACTTTGAGAAGCCAAAGTCCTTTTTCCCAAAGGTTCTGA 1522
          |||||||||||||||| |||||||||||||||||||||||||||
Db     45 ACCAACACTTTGAGAAACCAAAGTCCTTTTTCCCAAAGGTTCTGA 1


RESULT 12
US-09-820-596-18/c
; Sequence 18, Application US/09820596
; Publication No. US20030022170A1
;   GENERAL INFORMATION:
;        APPLICANT: Khodadoust, Mehran Mohammad
;        TITLE OF INVENTION: NOVEL FIBROBLAST GROWTH FACTORS AND
;                            THERAPEUTIC AND DIAGNOSTIC USES THEREFOR
;        NUMBER OF SEQUENCES: 18
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: FOLEY, HOAG & ELIOT LLP
;             STREET: One Post Office Square
;             CITY: Boston
;             STATE: MA
;             COUNTRY: USA
;             ZIP: 02109-2170
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/820,596
;             FILING DATE: 29-Mar-2001
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 09/036,594
;             FILING DATE: <Unknown>
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Arnold E., Beth
;             REGISTRATION NUMBER: 35,430
;             REFERENCE/DOCKET NUMBER: MIA-026.01
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 617-832-1000
;             TELEFAX: 617-832-7000
;   INFORMATION FOR SEQ ID NO: 18:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 344 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA
;        SEQUENCE DESCRIPTION: SEQ ID NO: 18:
US-09-820-596-18

  Query Match             18.4%;  Score 288.2;  DB 9;  Length 344;
  Best Local Similarity   99.0%;  Pred. No. 3.4e-60;
  Matches  290;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy   1225 AAAACTGCATCAGAGGAATATTTTTACATGAAAAATAAGGAAGAAGCTCTATTTTTGTAC 1284
          |||  ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    293 AAACTTGCATCAGAGGAATATTTTTACATGAAAAATAAGGAAGAAGCTCTATTTTTGTAC 234

Qy   1285 ATTGTGTTTAAAAGAAGACAAAAACTGAACCAAAACTCTTGGGGGGAGGGGTGATAAGGA 1344
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    233 ATTGTGTTTAAAAGAAGACAAAAACTGAACCAAAACTCTTGGGGGGAGGGGTGATAAGGA 174

Qy   1345 TTTTATTGTTGACTTGAAACCCCCGATGACAAAAGACTCACGCAAAGGGACTGTAGTCAA 1404
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    173 TTTTATTGTTGACTTGAAACCCCCGATGACAAAAGACTCACGCAAAGGGACTGTAGTCAA 114
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Qy   1405 CCCACAGGTGCTTGTCTCTCTCTAGGAACAGACAACTCTAAACTCGTCCCCAGAGGAGGA 1464
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    113 CCCACAGGTGCTTGTCTCTCTCTAGGAACAGACAACTCTAAACTCGTCCCCAGAGGAGGA 54

Qy   1465 CTTGAATGAGGAAACCAACACTTTGAGAAGCCAAAGTCCTTTTTCCCCAAAGGT 1517
          ||||||||||||||||||||||||||| ||||||||||||||||||||||||
Db     53 CTTGAATGAGGAAACCAACACTTTGAGAAACCAAAGTCCTTTTTCCCAAAGGT 1

RESULT 13
US-09-749-728B-64
; Sequence 64, Application US/09749728B
; Patent No. US20020142457A1
; GENERAL INFORMATION:
;  APPLICANT: Umezawa, Akihiro
;  APPLICANT:  Hata, Jun-Ichi
;  APPLICANT:  Fukuda, Keiichi
;  APPLICANT:  Ogawa, Satoshi
;  APPLICANT:  Sakurada, Kazuhiro
;  APPLICANT:  Gojo, Satoshi
;  APPLICANT:  Yamada, Yoji
;  TITLE OF INVENTION: THE CELL HAVING THE POTENTIALITY OF DIFFERENTIATION INTO CARDIOMY
;  FILE REFERENCE: 00766.000043
;  CURRENT APPLICATION NUMBER: US/09/749,728B
;  CURRENT FILING DATE:  2001-09-17
;  PRIOR APPLICATION NUMBER: H11-372826
;  PRIOR FILING DATE: 1999-12-28
;  PRIOR APPLICATION NUMBER: PCT-JP00-01148
;  PRIOR FILING DATE: 2000-02-28
;  PRIOR APPLICATION NUMBER: PCT-JP00-07741
;  PRIOR FILING DATE: 2000-11-02
;  NUMBER OF SEQ ID NOS: 80
;  SOFTWARE: PatentIn Ver.2.0
; SEQ ID NO 64
;   LENGTH: 645
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   OTHER INFORMATION: (1)..(648)
US-09-749-728B-64

  Query Match            13.9%;  Score 218.4;  DB 10;  Length 645;
  Best Local Similarity  65.4%;  Pred. No. 3.1e-43;
  Matches  353;  Conservative    0;  Mismatches  181;  Indels    6;  Gaps    2;

Qy    560 CGCCCTCCGCCTGCACTTGCCTGTGTTTACACTTCCTGCTGCTGTGCTTCCAGGTACAGG 619
          | | ||||||    |  ||||||   || ||||| ||| | || ||| |||| |  ||||
Db     11 CCCGCTCCGCGCTGAGCTGCCTGCTGTTGCACTTGCTGGTCCTCTGCCTCCAAGCCCAGG 70

Qy    620 TGCTGGTTGCCGAGGAGAACGTGGACTTCCGCATCCACGTGGAGAACCAGACGCGGGCTC 679
          |    |||    ||         | ||       || |||  | | ||||  | ||
Db     71 TAACTGTT---CAGTCCTCACCTAATTTTACACAGCATGTGAGGGAGCAGAGCCTGGTGA 127

Qy    680 GGGACGATGTGAGCCGTAAGCAGCTGCGGCTGTACCAGCTCTACAGCCGGACCAGTGGGA 739
           |||  |  | |||||     |   | |||   ||||| ||||||||||| ||||| ||||
Db    128 CGGATCAGCTCAGCCGCCGCCTCATCCGGACCTACCAACTCTACAGCCGCACCAGCGGGA 187

Qy    740 AACACATCCAGGTCCTGGGCCGCA---GGATCAGTGCCCGCGGCGAGGATGGGGACAAGT 796
          | ||| | |||||||||| |  ||   | ||||  |||   |  ||||| || |||   |
Db    188 AGCACGTGCAGGTCCTGGCCAACAAGCGCATCAACGCCATGGCAGAGGACGGCGACCCCT 247

Qy    797 ATGCCCAGCTCCTAGTGGAGACAGACACCTTCGGTAGTCAAGTCCGGATCAAGGGCAAGG 856
            ||  ||||| | |||||||| |||||||| || ||   ||| ||  ||   ||    |
Db    248 TCGCAAAGCTCATCGTGGAGACGGACACCTTTGGAAGCAGAGTTCGAGTCCGAGGAGCCG 307

Qy    857 AGACGGAATTCTACCTGTGCATGAACCGCAAAGGCAAGCTCGTGGGGAAGCCCGATGGCA 916
          ||||||   ||||| | |||||||||   || || |||||  | |  |||  | | ||||
Db    308 AGACGGGCCTCTACATCTGCATGAACAAGAAGGGGAAGCTGATCGCCAAGAGCAACGGCA 367

Qy    917 CCAGCAAGGAGTGTGTGTTCATCGAGAAGGTTCTGGAGAACAACTACACGGCCCTGATGT 976
          |||||||  || || ||||  ||||  || ||||||||||||||||| || |||  |
Db    368 AAGGCAAGGACTGCGTCTTCACGGAGATTGTGCTGGAGAACAACTACACAGCGCTGCAGA 427

Qy    977 CGGCTAAGTACTCCGGCTGGTACGTGGGCTTCACCAAGAAGGGGCGGCCGCGGAAGGGCC 1036
            || ||||||   ||||||||| ||| |||||||   ||||| ||||| || ||||||
Db    428 ATGCCAAGTACGAGGGCTGGTACATGGCCTTCACCCGCAAGGGCCGGCCCCGCAAGGGCT 487

Qy   1037 CCAAGACCCGGGAGAACCAGCAGGACGTGCATTTCATGAAGCGCTACCCCAAGGGGCAGC 1096
          ||||||| ||| || ||||||  || || || ||||||||||    ||| ||| || |
Db    488 CCAAGACGCGGCAGCACCAGCGTGAGGTCCACTTCATGAAGCGGCTGCCCCGGGGCCACC 547

RESULT 14
US-10-035-895-1
; Sequence 1, Application US/10035895
; Patent No. US20020161325A1
; GENERAL INFORMATION:
;  APPLICANT: Hansmann, Douglas
;  TITLE OF INVENTION: Ultrasound Catheter for Improving Blood Flow to the
;  TITLE OF INVENTION:  Heart
;  FILE REFERENCE: 17515-789
;  CURRENT APPLICATION NUMBER: US/10/035,895
;  CURRENT FILING DATE:  2001-11-06
;  PRIOR APPLICATION NUMBER: US/09/160,221A
;  PRIOR FILING DATE: 1998-09-24
;  NUMBER OF SEQ ID NOS: 14
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
;   LENGTH: 640
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-035-895-1

  Query Match            13.9%;  Score 217.8;  DB 9;  Length 640;
  Best Local Similarity  60.5%;  Pred. No. 4.3e-43;
  Matches  376;  Conservative    0;  Mismatches  242;  Indels    3;  Gaps    1;

Qy    580 CTGTGTTTACACTTCCTGCTGCTGTGCTTCCAGGTACAGGTGCTGGTTGCCGAGGAGAAC 639
          ||||| |||||  | ||| | || ||||  ||    |||| |  |  |    |  |
Db     23 CTGTGCTTACAGCTGCTGATTCTCTGCTGTCAAACTCAGGGGGAGAAT---CACCCGTCT 79

Qy    640 GTGGACTTCCGCATCCACGTGGAGAACCAGACGCGGGCTCGGGACGATGTGAGCCGTAAG 699
              | ||   |    ||||| | |||||            ||| |  ||||| |   |
Db     80 CCTAATTTTAACCAGTACGTGAGGGACCAGGGCGCCATGACCGACCAGCTGAGCAGGCGG 139

Qy    700 CAGCTGCGGCTGTACCAGCTCTACAGCCGGACCAGTGGGAAACACATCCAGGTCCTGGGC 759
          ||| | ||   |||||| ||||||||| |||||||||| || ||| | |||||||  ||
Db    140 CAGATCCGCGAGTACCAACTCTACAGCAGGACCAGTGGCAAGCACGTGCAGGTCCCCGGG 199

Qy    760 CGCAGGATCAGTGCCCGCGGCGAGGATGGGGACAAGTATGCCCAGCTCCTAGTGGAGACA 819
          ||  | |||   |||  || |||||| ||  |||||| |||| ||||| ||||||||||
Db    200 CGTCGCATCTCCGCCACCGCCGAGGACGGCAACAAGTTTGCCAAGCTCATAGTGGAGACG 259

Qy    820 GACACCTTCGGTAGTCAAGTCCGGATCAAGGGCAAGGAGACGGAATTCTACCTGTGCATG 879
          ||||| || || || |  || || ||||| ||    ||||  ||    ||| | || |||
Db    260 GACACGTTTGGCAGCCGGGTTCGCATCAAAGGGGCTGAGAGTGAGAAGTACATCTGTATG 319

Qy    880 AACCGCAAAGGCAAGCTCGTGGGGAAGCCCGATGGCACCAGCAAGGAGTGTGTGTTCATC 939
          |||   |  |||||||| | |||||||||   || |  ||||| || || |||||||
Db    320 AACAAGAGGGGCAAGCTCATCGGGAAGCCCAGCGGGAAGAGCAAAGACTGCGTGTTCACG 379

Qy    940 GAGAAGGTTCTGGAGAACAACTACACGGCCCTGATGTCGGCTAAGTACTCCGGCTGGTAC 999
          ||||  || |||||||||||||| ||||||  |   |   ||   | ||   ||||||| |
Db    380 GAGATCGTGCTGGAGAACAACTATACGGCCTTCCAGAACGCCCGGCACGAGGGCTGGTTC 439

Qy   1000 GTGGGCTTCACCAAGAAGGGGCGGCCGCGGAAGGGCCCCAAGACCCGGGAGAACCAGCAG 1059
          |||  ||||||   | ||||||||||  ||  |||   ||    | |||  |||||||||
Db    440 ATGGTCTTCACGCGGCAGGGGCGGCCCCGCCAGGCTTCCCGCAGCCGCCAGAACCAGCGC 499

Qy   1060 GACGTGCATTTCATGAAGCGCTACCCCAAGGGGCAGCCGGAGCTTCAGAAGCCCTTCAAG 1119
          || |  || ||||| ||||||  |  | | || |||| |    | |  || | |  | ||
Db    500 GAGGCCCACTTCATCAAGCGCCTCTACCAAGGCCAGCTGCCCTTCCCCAACCACGCCGAG 559

Qy   1120 TACACGACGGTGACCAAGAGGTCCCGTCGGATCCGGCCCACACACCCTGCCTAGGCCACC 1179
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Db     560 AAGCAGAAGCAGTTCGAGTTTGTGGGCTCCGCCCCCACCCGTCGGACCAAGCGCACACGG 619

Qy    1180 CCGCCGCGGCCCCTCAGGTCG 1200
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Db     620 CGGCCCCAGCCCCTCACGTAG 640


RESULT 15
US-09-905-291A-22
; Sequence 22, Application US/09905291A
; Patent No. US20020160374A1
; GENERAL INFORMATION:
;  APPLICANT: Genentech, Inc.
;  APPLICANT:  Ashkenazi, Avi
;  APPLICANT:  Botstein, David
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Eaton, Dan L.
;  APPLICANT:  Ferrara, Napoleone
;  APPLICANT:  Filvaroff, Ellen
;  APPLICANT:  Fong, Sherman
;  APPLICANT:  Gao, Wei-Qiang
;  APPLICANT:  Gerber, Hanspeter
;  APPLICANT:  Gerritsen, Mary E.
;  APPLICANT:  Goddard, A.
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, Christopher J.
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Hillan, Kenneth, J.
;  APPLICANT:  Kljavin, Ivar J.
;  APPLICANT:  Mather, Jennie P.
;  APPLICANT:  Pan, James
;  APPLICANT:  Paoni, Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William, I.
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: 10466-14
;  CURRENT APPLICATION NUMBER: US/09/905,291A
;  CURRENT FILING DATE:  2001-07-12
;  PRIOR APPLICATION NUMBER: PCT/US00/04414
;  PRIOR FILING DATE: 2000-02-22
;  PRIOR APPLICATION NUMBER: US 60/143,048
;  PRIOR FILING DATE: 1999-07-07
;  PRIOR APPLICATION NUMBER: US 60/145,698
;  PRIOR FILING DATE: 1999-07-26
;  PRIOR APPLICATION NUMBER: US 60/146,222
;  PRIOR FILING DATE: 1999-07-28
;  PRIOR APPLICATION NUMBER: PCT/US99/20594
;  PRIOR FILING DATE: 1999-09-08
;  PRIOR APPLICATION NUMBER: PCT/US99/20944
;  PRIOR FILING DATE: 1999-09-13
;  PRIOR APPLICATION NUMBER: PCT/US99/21090
;  PRIOR FILING DATE: 1999-09-15
;  PRIOR APPLICATION NUMBER: PCT/US99/21547
;  PRIOR FILING DATE: 1999-09-15
;  PRIOR APPLICATION NUMBER: PCT/US99/23089
;  PRIOR FILING DATE: 1999-10-05
;  PRIOR APPLICATION NUMBER: PCT/US99/28214
;  PRIOR FILING DATE: 1999-11-29
;  PRIOR APPLICATION NUMBER: PCT/US99/28313
;  PRIOR FILING DATE: 1999-11-30
;  PRIOR APPLICATION NUMBER: PCT/US99/28564
;  PRIOR FILING DATE: 1999-12-02
;  PRIOR APPLICATION NUMBER: PCT/US99/28565
;  PRIOR FILING DATE: 1999-12-02
;  PRIOR APPLICATION NUMBER: PCT/US99/30095
;  PRIOR FILING DATE: 1999-12-16
;  PRIOR APPLICATION NUMBER: PCT/US99/30911
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: PCT/US99/30999
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: PCT/US00/00219
;  PRIOR FILING DATE: 2000-01-05
;  NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 22
;   LENGTH: 1200
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-905-291A-22

  Query Match             13.8%;  Score 216.8;  DB 9;  Length 1200;
  Best Local Similarity   61.9%;  Pred. No. 9.6e-43;
  Matches  344;  Conservative    0;  Mismatches  212;  Indels    0;  Gaps    0;

Qy     656 ACGTGGAGAACCAGACGCGGGCTCGGGACGATGTGAGCCGTAAGCAGCTGCGGCTGTACC 715
           |||||  | |||||            ||| |  ||||| |   |||| | ||   |||||
Db      99 ACGTGAGGGACCAGGGCGCCATGACCGACCAGCTGAGCAGGCGGCAGATCCGCGAGTACC 158

Qy     716 AGCTCTACAGCCGGACCAGTGGGAAACACATCCAGGTCCTGGGCCGCAGGATCAGTGCCC 775
           | ||||||||| |||||||||| || ||| | ||||||   || ||  | |||   |||
Db     159 AACTCTACAGCAGGACCAGTGGCAAGCACGTGCAGGTCACCGGGCGTCGCATCTCCGCCA 218

Qy     776 GCGGCGAGGATGGGGACAAGTATGCCCAGCTCCTAGTGGAGACAGACACCTTCGGTAGTC 835
           || |||||| ||  |||||| |||| ||||| |||||||||| ||||| || || || |
Db     219 CCGCCGAGGACGGCAACAAGTTTGCCAAGCTCATAGTGGAGACGGACACGTTTGGCAGCC 278

Qy     836 AAGTCCGGATCAAGGGCAAGGAGACGGAATTCTACCTGTGCATGAACCGCAAAGGCAAGC 895
           || || ||||| ||    |||| ||    ||| | || ||||||   | |||||||
Db     279 GGGTTCGCATCAAAGGGGCTGAGAGTGAGAAGTACATCTGTATGAACAAGAGGGGCAAGC 338

Qy     896 TCGTGGGGAAGCCCGATGGCACCAGCAAGGAGTGTGTGTTCATCGAGAAGGTTCTGGAGA 955
           || | |||||||||    || |  ||||| || || |||||||  ||||  || |||||||
Db     339 TCATCGGGAAGCCCAGCGGGAAGAGCAAAGACTGCGTGTTCACGGAGATCGTGCTGGAGA 398

Qy     956 ACAACTACACGGCCCTGATGTCGGCTAAGTACTCCGGCTGGTACGTGGGCTTCACCAAGA 1015
           ||||||| |||||| |   |   ||   | ||  |||||||  | ||| ||||||   |
Db     399 ACAACTATACGGCCTTCCAGAACGCCCGGCACGAGGGCTGGTTCATGGCCTTCACGCGGC 458

Qy    1016 AGGGGCGGCCGCGGAAGGGCCCCAAGACCCGGGAGAACCAGCAGGACGTGCATTTCATGA 1075
           |||||||||| ||  |||   ||   | |||  |||||||||  || |  || ||||| |
Db     459 AGGGGCGGCCCCGCCAGGCTTCCCGCAGCCGCCAGAACCAGCGCGAGGCCCACTTCATCA 518

Qy    1076 AGCGCTACCCCAAGGGGCAGCCGGAGCTTCAGAAGCCCTTCAAGTACACGACGGTGACCA 1135
           |||||  |  | | || |||| |   | |  || | |  | || |   || |  |  |
Db     519 AGCGCCTCTACCAAGGCCAGCTGCCCTTCCCCAACCACGCCGAGAAGCAGAAGCAGTTCG 578

Qy    1136 AGAGGTCCCGTCGGATCCGGCCCACACACCCTGCCTAGGCCACCCCGCCGCGGCCCCTCA 1195
           ||       |      ||  ||  |  |       |    | ||| | ||||||||
Db     579 AGTTTGTGGGCTCCGCCCCCACCCGCCGGACCAAGCGCACACGGCGGCCCCAGCCCCTCA 638

Qy    1196 GGTCGCCCTGGCCACA 1211
           || | |  ||   ||
Db     639 CGTAGTCTGGGAGGCA 654


Search completed: April 27, 2003, 15:09:46
Job time : 145 secs
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